

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. Fuel cell powered electrical motor comprising, in combination,
  - an electrical motor including
    - shaft means;
    - stator means encircling said shaft means;
    - rotor means encircling said stator means;
    - a base plate means located perpendicularly to said shaft means, at a low part of the latter;
    - a flywheel means located perpendicularly to said shaft means, at a top part of the latter; and
    - fuel cell stack means circularly disposed on said base plate means, between said shaft means and stator means, concentrically with the former and the latter, said shaft means revolving together with said flywheel and rotor means, while said fuel cell stack and stator means are attached to said base plate means.
2. Fuel cell powered electrical motor, as defined in claim 1, further comprising a commutator disposed under and attached to said flywheel means, said commutator being electrically connected to said rotor means and to said fuel cell stack means.
3. Fuel cell powered electrical motor, as defined in claim 1 or 2, further comprising an annular brush disk attached to a top of said fuel cell stack means and provided on its upper surface with a plurality of brushes, equally spaced and circumferentially disposed, said brushes being connected to an outside electrical power source.
4. Fuel cell powered electrical motor, as defined in claim 1 wherein said shaft assembly incorporates
  - a main shaft having an upper flange, provided with several apertures equally spaced and circularly disposed;

-a flanged sleeve having a lower flange provided with several openings equally spaced and circularly disposed; and  
-a bearing housing, internally provided at both ends with a bearing, is mounted on said flanged sleeve;  
said upper flange being attached to said flywheel means and said bearing housing, while said lower flange is attached to said base plate means.

5. Fuel cell powered electrical motor, as defined in claim 1, wherein said base plate means incorporates

-a manifold plate; and

- a sealing plate disposed on top of said manifold plate;

said manifold plate having a circular recess wherein said sealing plate is lodged, said circular recess being provided at its center with a shaft hole for a main shaft of said shaft assembly, concentric channel means being located coaxially with said shaft hole, while notch means extends radially from each of said concentric channel means, several downwardly extending apertures starting from each of said concentric channel means communicating with the exterior, several manifold plate openings being located proximate to a periphery of said circular recess;  
said sealing plate being provided at its center with a passage hole, while four hole row means are concentrically disposed around said passage hole, each hole row means having a series of notch hole means which coincides with corresponding notch means in said manifold plate; both manifold and sealing plates being provided with a pair of coinciding slots: a first slot adapted for an electrical power output from said fuel cell stack means to an external controller and a second slot adapted for an electrical power input from said external controller to said stator and rotor means.